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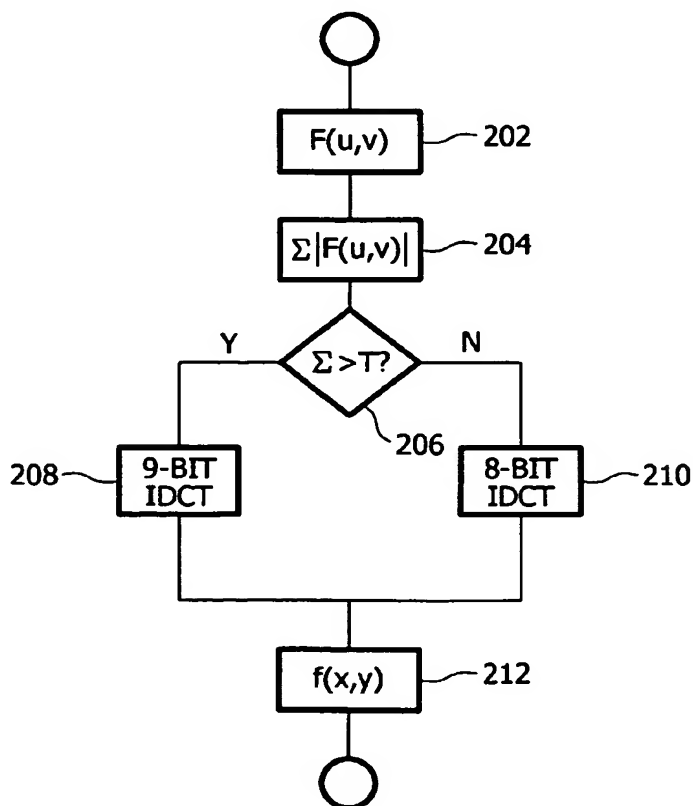
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(54) Title: **METHOD AND APPARATUS FOR IMPROVED INVERSE TRANSFORM CALCULATION**



(57) Abstract: A method is provided for determining, from DCT coded data used in MPEG video coding, the number of bits required to represent an output value which would be obtained after an inverse transform is performed on said transform coded data. The method comprises obtaining a sum of coefficient values within said transform coded data (204) and comparing this sum to a predetermined threshold value (206). As a consequence of said comparison a processor decides which inverse transform implementation, out of a number of pre-determined implementations, should be performed when decoding said transform-coded data (208,210). For example, eight bit-processing routines may be used, which are more economic than nine bit routines if the sum is less than a threshold value.



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